

1938.



---

Tyne Port Health Authority.

---

# ANNUAL REPORT

OF THE

Medical Officer of Health.



NEWCASTLE-ON-TYNE :  
CO-OPERATIVE PRINTING SOCIETY, RUTHERFORD STREET;  
ALSO AT MANCHESTER AND LONDON.

---

1939.



1938.

---

Tyne Port Health Authority.

---

# ANNUAL REPORT

OF THE

Medical Officer of Health.



NEWCASTLE-ON-TYNE :  
CO-OPERATIVE PRINTING SOCIETY, RUTHERFORD STREET;  
ALSO AT MANCHESTER AND LONDON.

---

1939.

# CONTENTS.

---

|                                                                                                              | PAGE |
|--------------------------------------------------------------------------------------------------------------|------|
| Trade of the Tyne Ports .....                                                                                | 6    |
| Cases of Infectious Sickn <sup>ess</sup> landed from Vessels.....                                            | 18   |
| Cases occurring during Voyage but disposed of prior to arrival .....                                         | 18   |
| Cases Reported during Voyage—or in Port—                                                                     |      |
| 1. Chicken Pox .....                                                                                         | 19   |
| 2. Dysentery.....                                                                                            | 19   |
| 3. Enteric .....                                                                                             | 19   |
| 4. Erysipelas .....                                                                                          | 20   |
| 5. Malaria .....                                                                                             | 20   |
| 6. Measles .....                                                                                             | 21   |
| 7. Mumps .....                                                                                               | 22   |
| 8. Pneumonia .....                                                                                           | 22   |
| 9. Scarlet Fever .....                                                                                       | 22   |
| 10. Smallpox .....                                                                                           | 23   |
| 11. Tuberculosis .....                                                                                       | 23   |
| General Sickn <sup>ess</sup> on board Vessels arriving at Tyne Ports.....                                    | 24   |
| Arrivals from Infected or Suspected Ports, Ports of Departure, and<br>Numbers of Ships .....                 | 26   |
| Measures against Rodents .....                                                                               | 27   |
| Plague Precautions—Measures against Rats.....                                                                | 28   |
| Sanitary Defects .....                                                                                       | 30   |
| Food Inspection .....                                                                                        | 32   |
| Advices as to Sickn <sup>ess</sup> , Smoke Nuisance, Fishing Boats, Regulations,<br>Cholera and Plague ..... | 37   |
| Launches .....                                                                                               | 37   |



# Tyne Port Health Authority.

CONSTITUTED BY LOCAL GOVERNMENT BOARD'S ORDER,  
DATED 29TH MARCH, 1897.

ELECTED BY THE CORPORATION OF NEWCASTLE.

ALDERMAN J. MOORE, J.P. (Chairman).  
ALDERMAN W. THOMPSON, J.P.  
COUNCILLOR E. G. KING.  
COUNCILLOR A. E. BEDSON.  
COUNCILLOR E. F. WEIDNER.  
COUNCILLOR H. MOAT.  
COUNCILLOR J. CARR, M.B.E.  
COUNCILLOR R. M. ROWE.

ELECTED BY THE CORPORATION OF GATESHEAD.

\* ALDERMAN W. WARDILL, J.P.  
ALDERMAN J. WHITE, J.P. (Vice-Chairman).  
ALDERMAN P. S. HANCOCK.  
† COUNCILLOR T. FOSTER.

ELECTED BY THE CORPORATION OF SOUTH SHIELDS.

ALDERMAN J. W. WATSON, J.P.  
COUNCILLOR J. GARNETT.  
COUNCILLOR R. EWART.

ELECTED BY THE CORPORATION OF TYNEMOUTH.

COUNCILLOR J. HUNTER.  
\* ALDERMAN J. MUNBY, J.P.  
† ALDERMAN R. MIDDLEMISS.

ELECTED BY THE CORPORATION OF WALLSEND.

ALDERMAN W. NORTH, J.P.  
\* ALDERMAN J. MASON, J.P.  
† COUNCILLOR F. O. HOWE.

ELECTED BY THE CORPORATION OF JARROW.

ALDERMAN J. SYMONDS.

ELECTED BY THE HEBBURN URBAN DISTRICT COUNCIL.

\* COUNCILLOR T. H. SMITH.  
† COUNCILLOR J. BLACK.

ELECTED BY THE FELLING URBAN DISTRICT COUNCIL.

COUNCILLOR J. BURLISON.

ELECTED BY THE BLAYDON URBAN DISTRICT COUNCIL.

COUNCILLOR W. COX.

ELECTED BY THE NEWBURN URBAN DISTRICT COUNCIL.

COUNCILLOR R. H. KEYS.

ELECTED BY THE WHICKHAM URBAN DISTRICT COUNCIL.

COUNCILLOR J. McDERMOTT, J.P.

\* Retired from the Authority during 1938.  
† Appointed as Representatives during 1938.

## Officers and Staff.

---

|                            |                                          |   |   |
|----------------------------|------------------------------------------|---|---|
| Medical Officer of Health  | T. L. J. COXON, M.D., B.Hy., D.P.H.      |   |   |
| Clerk .....                | J. ENGLISH.                              |   |   |
| Treasurer .....            | J. E. KENNEDY.                           |   |   |
| Sanitary Inspector .....   | N. PARK, Cert. Royal Sanitary Institute. |   |   |
| Deputy Sanitary            |                                          |   |   |
| Inspector .....            | H. M. COATS                              | „ | „ |
| Assistant Food Inspector.* | R. O. BURN                               | „ | „ |
| Assistant Sanitary         |                                          |   |   |
| Inspector .....            | *W. B. WEATHERSTON                       | „ | „ |
| „ „                        | ..*R. T. B. DAVIES                       | „ | „ |
| „ „                        | .. W. G. STEVENSON                       | „ | „ |
| „ „                        | .. W. P. HARRISON                        | „ | „ |
| Clerk, Mill Dam Offices .. | E. M. GLENNY.                            |   |   |
| Ratsearcher .....          | B. MCGURK.                               |   |   |
| „ .....                    | J. H. ROBINSON.                          |   |   |
| „ .....                    | H. BURN.                                 |   |   |
| Launches .....             | J. W. RAY, Senior Coxswain.              |   |   |
| „ .....                    | J. COLTHERD.                             |   |   |
| „ .....                    | J. W. WEST.                              |   |   |
| „ .....                    | †R. BURN.                                |   |   |
| Caretaker, Mill Dam        |                                          |   |   |
| Offices .....              | J. SHOREY.                               |   |   |

\* Certificate for Inspection of Meat and Other Foods.

† Commenced duties at Tyne Ports 4th April, 1938.

---

## OFFICES OF THE AUTHORITY.

**Medical Officer of Health and Inspector : Mill Dam, South Shields.**  
**Clerk to the Authority : 145, Pilgrim Street, Newcastle-upon-Tyne, 1.**

# Tyne Port Health Authority.

---

MILL DAM,  
SOUTH SHIELDS,  
MARCH, 1939.

THE CHAIRMAN,  
VICE-CHAIRMAN AND MEMBERS  
of the Tyne Port Health Authority.

GENTLEMEN,

I have the honour to present the Annual Report for the year 1938 on the existing condition of the Tyne Port and of the work of your Officers during this period.

The amount of shipping entering the Tyne was substantially the same as in 1937.

Of this tonnage a large proportion of vessels entered the various repairing yards on the river.

There occurred no cases of major infectious disease on board vessels entering, and fewer cases of minor disease were reported, despite the relaxation of adequate continental port control occasioned by the many and various European crises and state of war existing in the Spanish Peninsular, Northern Africa and Asia.

An increase in the passenger traffic was a feature of the year, and with improved accommodation and faster vessels in commission during the year, it is anticipated that a further expansion of this traffic will take place.

Your chief inspector, executive and office staff have shown a splendid spirit of co-operation, although the inadequacy of accommodation continues to be a severe handicap to the proper development and expansion of this service.

In conclusion, I wish, on behalf of my staff and myself, to thank the Committee for their interest in our work and their kindly consideration of the many points and difficulties arising from time to time. This attitude tends much to permeate confidence between the Authority and their staff, and I, personally, greatly appreciate it.

I am, Gentlemen,

Your obedient Servant,

T. L. J. COXON.

# TYNE PORT HEALTH AUTHORITY.

## Report of the Medical Officer of Health for the Year ended 31st December, 1938.

### AMOUNT OF SHIPPING ENTERING THE TYNE PORTS DURING THE YEAR 1938.

TABLE A.

|                                   | Number. | Tonnage.  | Number inspected.                 |                            | Number reported to be defective | Number of Vessels on which defects were remedied. | Number of Vessels reported as having or having had during the voyage Infectious Disease. on board. |
|-----------------------------------|---------|-----------|-----------------------------------|----------------------------|---------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                   |         |           | By the Medical Officer of Health. | By the Sanitary Inspector. |                                 |                                                   |                                                                                                    |
| FOREIGN—                          |         |           |                                   |                            |                                 |                                                   |                                                                                                    |
| Steamers .....                    | 2,737   | 3,436,135 | 287                               | 2,610                      | 267                             | 157                                               | 31                                                                                                 |
| *Motor .....                      | 458     | 999,305   | 184                               | 442                        | 17                              | 8                                                 | 4                                                                                                  |
| Sailing .....                     | —       | —         | —                                 | —                          | —                               | —                                                 | —                                                                                                  |
| Fishing .....                     | 157     | 31,607    | 1                                 | 52                         | 3                               | —                                                 | —                                                                                                  |
| Total Foreign ....                | 3,352   | 4,467,047 | 472                               | 3,104                      | 287                             | 165                                               | 35                                                                                                 |
| COASTWISE—                        |         |           |                                   |                            |                                 |                                                   |                                                                                                    |
| Steamers .....                    | 4,367   | 4,053,486 | 25                                | 3,775                      | 270                             | 181                                               | 11                                                                                                 |
| *Motor .....                      | 800     | 496,657   | 13                                | 631                        | 21                              | 11                                                | 4                                                                                                  |
| Sailing .....                     | 73      | 15,923    | —                                 | 1                          | —                               | —                                                 | —                                                                                                  |
| Fishing .....                     | 7,601   | 310,048   | 1                                 | 178                        | 1                               | —                                                 | —                                                                                                  |
| Total Coastwise ..                | 12,841  | 4,876,114 | 39                                | 4,585                      | 292                             | 192                                               | 15                                                                                                 |
| Total Foreign and Coastwise ..... | 16,193  | 9,343,161 | 511                               | 7,689                      | 579                             | 357                                               | 50                                                                                                 |

\* Includes mechanically propelled vessels other than Steamers.

Total number of vessels visited by Inspectors :—

|                 |       |       |
|-----------------|-------|-------|
| <i>British—</i> |       |       |
| Steam .....     | 4,033 |       |
| Motor .....     | 661   |       |
| Sail .....      | —     |       |
| Fishing .....   | 168   |       |
|                 | —     | 4,862 |
| <i>Foreign.</i> |       |       |
| Steam .....     | 2,352 |       |
| Motor .....     | 412   |       |
| Sail .....      | 1     |       |
| Fishing .....   | 62    |       |
|                 | —     | 2,827 |
| Re-visits ..... |       | 1,477 |
|                 |       | —     |
|                 |       | 9,166 |



Total number of crews of vessels visited by Inspectors :—

*British Ships.*

|                        |        |        |
|------------------------|--------|--------|
| British White .....    | 86,559 |        |
| British Coloured ..... | 3,673  |        |
| Alien White .....      | 1,361  |        |
| Alien Coloured .....   | 1,129  |        |
|                        | <hr/>  | 92,722 |

*Foreign Ships.*

|                        |        |             |
|------------------------|--------|-------------|
| British White .....    | 140    |             |
| British Coloured ..... | 7      |             |
| Alien White .....      | 72,171 |             |
| Alien Coloured .....   | 501    |             |
|                        | <hr/>  | 72,819      |
|                        |        | <hr/>       |
|                        |        | 165,541     |
|                        |        | <hr/> <hr/> |

Total number of passengers of vessels visited by Inspectors :—

*British Ships.*

|               |       |       |
|---------------|-------|-------|
| British ..... | 2,547 |       |
| Alien .....   | 96    |       |
|               | <hr/> | 2,643 |

*Foreign Ships.*

|               |        |             |
|---------------|--------|-------------|
| British ..... | 15,346 |             |
| Alien .....   | 13,161 |             |
|               | <hr/>  | 28,507      |
|               |        | <hr/>       |
|               |        | 31,150      |
|               |        | <hr/> <hr/> |

Tonnage of vessels visited by Inspectors :—

*Steamers.*

|               |           |           |
|---------------|-----------|-----------|
| British ..... | 4,678,898 |           |
| Foreign ..... | 2,523,123 |           |
|               | <hr/>     | 7,202,021 |

*Motor.*

|               |         |           |
|---------------|---------|-----------|
| British ..... | 643,454 |           |
| Foreign ..... | 815,408 |           |
|               | <hr/>   | 1,458,862 |

*Sailing.*

|               |       |       |
|---------------|-------|-------|
| British ..... | —     |       |
| Foreign ..... | 1,523 |       |
|               | <hr/> | 1,523 |

*Fishing.*

|               |        |             |
|---------------|--------|-------------|
| British ..... | 11,242 |             |
| Foreign ..... | 12,493 |             |
|               | <hr/>  | 23,735      |
|               |        | <hr/>       |
|               |        | 8,686,141   |
|               |        | <hr/> <hr/> |

The Nationalities of Vessels inspected were as follows :—

|                        |              |
|------------------------|--------------|
| British .....          | 4,694        |
| American .....         | 11           |
| Belgian .....          | 9            |
| Danish .....           | 291          |
| Danzic Free State..... | 1            |
| Dutch .....            | 317          |
| Egyptian .....         | 7            |
| Esthonian .....        | 76           |
| Finnish .....          | 186          |
| French .....           | 159          |
| German .....           | 255          |
| Greek .....            | 44           |
| Icelandic .....        | 1            |
| Irish Free State ..... | 1            |
| Italian .....          | 45           |
| Jugo-Slav .....        | 9            |
| Latvian .....          | 70           |
| Lithuanian .....       | 10           |
| Newfoundland .....     | 1            |
| Norwegian .....        | 691          |
| Panama .....           | 6            |
| Polish .....           | 7            |
| Portugese .....        | 1            |
| Roumanian .....        | 1            |
| Russian .....          | 25           |
| Spanish.....           | 4            |
| Swedish .....          | 537          |
| Total .....            | <u>7,459</u> |

The Nationalities of Fishing Vessels inspected were as follows :—

|                 |            |
|-----------------|------------|
| British .....   | 168        |
| Danish .....    | 2          |
| Dutch .....     | 1          |
| Finnish .....   | 1          |
| French .....    | 36         |
| German .....    | 3          |
| Icelandic ..... | 19         |
| Total .....     | <u>230</u> |

The Number of Re-visits made during the year were as follows :—

|                                                                                                          |              |
|----------------------------------------------------------------------------------------------------------|--------------|
| In connection with the issuing of Deratisation and<br>Deratisation Exemption Certificates (Form Port 11) | 849          |
| In connection with Sickness .....                                                                        | 92           |
| In order to have defects remedied .....                                                                  | 536          |
| Total .....                                                                                              | <u>1,477</u> |

The number of Vessels inspected during each year for the last 10 years has been as follows :—

|      |                       |             |
|------|-----------------------|-------------|
| 1929 | .....                 | 9,495       |
| 1930 | .....                 | 8,236       |
| 1931 | .....                 | 7,153       |
| 1932 | .....                 | 8,501       |
| 1933 | Vessels .....         | 7,350       |
|      | Fishing Vessels ..... | 884         |
|      | Re-visits .....       | 1,638       |
|      |                       | ———— 9,872  |
| 1934 | Vessels .....         | 7,823       |
|      | Fishing Vessels ..... | 626         |
|      | Re-visits .....       | 2,053       |
|      |                       | ———— 10,502 |
| 1935 | Vessels .....         | 7,608       |
|      | Fishing Vessels ..... | 721         |
|      | Re-visits .....       | 1,890       |
|      |                       | ———— 10,219 |
| 1936 | Vessels .....         | 8,055       |
|      | Fishing Vessels ..... | 499         |
|      | Re-visits .....       | 1,735       |
|      |                       | ———— 10,289 |
| 1937 | Vessels .....         | 7,880       |
|      | Fishing Vessels ..... | 334         |
|      | Re-visits .....       | 1,669       |
|      |                       | ———— 9,883  |
| 1938 | Vessels .....         | 7,459       |
|      | Fishing Vessels ..... | 230         |
|      | Re-visits .....       | 1,477       |
|      |                       | ———— 9,166  |

## II.—CHARACTER OF TRADE OF PORT.

TABLE B.

### (A) PASSENGER TRAFFIC DURING 1938.

| No. of<br>Passengers. | 1st Class. | 2nd Class. | 3rd Class. | Trans-<br>migrants. |
|-----------------------|------------|------------|------------|---------------------|
| Inwards .....         | *26,656    | ..         | ..         | 644                 |
| Outwards .....        | *27,220    | ..         | ..         | 207                 |

\* This Total includes 1st, 2nd and 3rd Class.

TABLE SHOWING PASSENGER TRAFFIC FOR PREVIOUS  
FIVE YEARS.

| Year.     | PASSENGERS.<br>1st, 2nd and 3rd Class. |           | TRANSMIGRANTS. |           |
|-----------|----------------------------------------|-----------|----------------|-----------|
|           | Inwards.                               | Outwards. | Inwards.       | Outwards. |
| 1933..... | 13,985                                 | 13,469    | 322            | 370       |
| 1934..... | 15,101                                 | 15,034    | 422            | 249       |
| 1935..... | 16,203                                 | 16,513    | 470            | 226       |
| 1936..... | 20,314                                 | 19,929    | 559            | 387       |
| 1937..... | 22,104                                 | 21,556    | 779            | 324       |

The comparison of Passenger Traffic at the Tyne Ports as shown in the above Table, reveals a steady increase during the period reviewed, and the large increase of the past year's figures over those of 1937 is indicative of the greatly increasing popularity of the Scandinavian Ports, in particular, as holiday centres.

The regular sailings from Tyne to Norway, Sweden, Denmark, Germany and Holland have been continued without interruption, and an augmented passenger service, to cope with the increasing demand, has been inaugurated in two instances.

Coastwise trade with London, Liverpool, Hull, Middlesbrough, Aberdeen and Leith has been continued.

#### COUNTRIES FROM WHICH PASSENGERS PRINCIPALLY ARRIVE.

805 vessels arrived with 12,312 Alien Passengers from January 1st, 1938, to December 31st, 1938.

There has been no alteration in the class of Aliens arriving at the Tyne Area during the past year. They are mostly Scandinavians of a healthy, cleanly type, in comfortable circumstances. They include visitors, business people, and students coming to learn English ; also contract seamen and transmigrants under bonds.

Passenger vessels carrying Aliens from certain of the Baltic Ports arrive at Newcastle Quay, where there is office accommodation for the Immigration Staff and Medical Examination Rooms.

The Norwegian Mail Vessels arrive at Tyne Commission Quay and Railway Station at Albert Edward Dock, North Shields, where examinations are carried out on board.



Trains convey the passengers direct to Newcastle Central Station.

Owing to the large increase of passenger traffic in 1938 the Newcastle-Bergen Line decided to increase the number of their sailings each way, and also put into commission a new large, fast motor vessel, with accommodation for 465 passengers, thus increasing their conveying capacity by 930 per week.

The Newcastle-Oslo Service was also revised, and in the place of a previous weekly sailing each way, a bi-weekly service was put into operation, two new vessels of handsome lines and greatly improved accommodation being built for the purpose.

The Air Passenger Service resumed its activities during the summer months and a regular daily service was scheduled.

All Aliens arriving at Out Ports in the Tyne Area, *i.e.*, AMBLE, BLYTH, SUNDERLAND, SEAHAM, MIDDLESBROUGH and WEST HARTLEPOOL are temporarily landed to proceed to the Immigration Office, Newcastle-upon-Tyne, for examination.

One case of erysipelas occurred on board a passenger vessel during the year.

## CARGO TRAFFIC.

### (B.)

The trade of the Tyne Ports is indicated by the following list of Ports to which vessels trade from the Tyne and include most of the countries of the world.

The chief imports are :—

Timber from Scandinavia, Canada, North America and Russia.

Agricultural and Dairy Produce from Denmark, Norway, Canada and North America.

Fruit from Spain, Germany, Norway, Holland, Canada and North America.

Vegetables from Germany and Holland.

Iron Ore from Spain and North African Ports.

Sugar from North America and Continental Ports.

Frozen Meat from Australia, New Zealand and Argentine.

Grain from Canada, River Plate, India, Australia and Russia.

Tinned Goods from Canada, North America and Norway.

Oil from Persia and Mexico.

Wood Pulp from Scandinavia.

The chief exports are :—

Coal and Coke to all countries of the world.

Machinery and Locomotives to Belgium, Russia, India, Australia and South America.

Chemicals to all countries.

Textiles to Scandinavia.

Iron and Steel Goods to all European Countries.

(c).

From all ports of the world.

### III.—SOURCE OF WATER SUPPLY.

#### (A) FOR THE PORT.

The water supply for the Tyne Ports is obtained from the following sources :—Newcastle and Gateshead Water Co., Sunderland and South Shields Water Co., and Tynemouth Water Co.

#### (B) FOR SHIPPING.

Vessels may obtain fresh water direct from hydrants from all these supplies ; also from 15 Water Boats which obtain their supply from the above Companies.

The following hydrants are at the disposal of vessels for a direct supply of fresh water :—

- 1.—At North Shields Fish Quay, the fishing fleet, foreign and coastwise, obtain their supply direct from the hydrants.
- 2.—At North Shields, above Smith's Dock, there are five hydrants, each with a separate meter where the water boats obtain their supply from the Tynemouth Water Co.
- 3.—On the South Side, at Tyne Dock, there are hydrants on No. 2 and No. 3 Jetties, where the water boats obtain their supply direct from the mains. All vessels in this area obtain their fresh water from the water boats.
- 4.—In the mid-Tyne area there are hydrants at Howdon and Wallsend, where water boats obtain their supply of fresh water. All vessels requiring fresh water in this area obtain it from water boats.

5.—In the Newcastle and Gateshead Area there are hydrants fitted with hose up to 100 feet with meter attachment.

(a) At Newcastle Quay there are 22 hydrants available for the supply of fresh water from the Newcastle and Gateshead Water Co. Vessels are supplied with drinking water on application to the Quaymaster. The only difficulty they have experienced in supplying water direct from these hydrants has been in the case of very large vessels after discharging cargo and at high water. The water tanks of these exceptional vessels have been as much as 40 feet above the level of the hydrant, and more than 300 feet away. In these cases the vessels are supplied by water boats.

(b) At Tyne-Tees Co.'s Wharf, Johnson's Cement Wharf and King Edward Wharf, there are hydrants fitted with hose and meter attachment for the supply of fresh water.

6.—Dunston, Elswick and Derwenthaugh area.

(a) Dunston Staiths (L. & N.E.R.). These staiths are fully provided with hydrants and connecting hose at six berths for the supply of fresh water to vessels.

(b) Elswick Staiths. Hydrant and hose connections are provided on the wharf for the supply of fresh water to vessels.

(c) Vickers Armstrong, Ltd. Provision is made for the supply of fresh water to vessels, where hydrants and hose on wharf are available.

In addition to the above water supply for vessels in this area there are always two water boats available.

#### (C) NUMBER OF WATER BOATS AND THEIR SANITARY CONDITION.

There are 15 water boats available for the supply of fresh water to vessels at Tyne Ports. The following is a list of vessels and Owners:

| <i>Name of Water Boat.</i>     | <i>Name of Owner.</i> |
|--------------------------------|-----------------------|
| " Thomas and Alice " . . . . . | Messrs. Pascoe & Co.  |
| " Tyne " . . . . .             | " "                   |
| " I'll Try " . . . . .         | " "                   |
| " Reonora " . . . . .          | " Donnelly & Murdock. |
| " Early Dawn " . . . . .       | " "                   |
| * " Lord Barnard " . . . . .   | " "                   |
| " Medway " . . . . .           | William Clark.        |
| " Royal Sovereign " . . . . .  | Fenn Bros.            |
| * " Hearts of Oak " . . . . .  | " "                   |



| <i>Name of Water Boat.</i> | <i>Name of Owner.</i> |
|----------------------------|-----------------------|
| " Britannia " .....        | Messrs. Aitken & Co.  |
| * " Blossom " .....        | " "                   |
| " Crystal Stream " .....   | " "                   |
| " Harmony " .....          | " "                   |
| " Daydream " .....         | V. A. Curry.          |
| " Alice " .....            | Westgarth & Co.       |

*\* These Water Boats are out of commission either temporarily or permanently.*

The majority of these boats are old and present considerable difficulties to the crew in order to keep hoses and tanks in a satisfactory state. Hatch covers are frequently leaking and are insufficient to prevent contamination from drainage water and surface dirt.

Frequent inspections have, however, shown that the crews endeavour to keep the craft in as good a condition as the structure of the boats will allow, and take all reasonable precautions to ensure that a satisfactory supply of water is delivered to ships.

No complaints regarding the quality of water supplied were received during the year, and constant supervision by the Officers of this Authority was exercised during the year.

Exhaustive investigations into the question of supplying ships with drinking water have been undertaken in order to determine the purity of the supply available, and will furnish material for a special report. As this report is under consideration at the moment, I have not included it herein.

#### IV.—PORT SANITARY REGULATIONS, 1933.

##### 1.—ARRANGEMENTS FOR DEALING WITH DECLARATIONS OF HEALTH.

Declarations of Health are supplied to Masters of vessels by the Pilots, Officers of H.M. Customs and Sanitary Officers on arrival. In the case of regular traders supplies of Declarations are issued to cover a period of three months.

Declarations are collected and examined by Officers of H.M. Customs or the Sanitary Officer, whichever is first on board, and Forms P.S. 2 or P.S. 2A are left as receipt by the respective Officers.

In cases where questions 1 to 6 are answered in the negative the vessel is allowed to proceed, but when answered in the affirmative the Port Health Authority is at once notified and pratique withheld until the Medical Officer has visited the vessel.

##### 2.—BOARDING OF VESSELS ON ARRIVAL.

All vessels reporting sickness are boarded on arrival by the Medical Officer and Chief Inspector.

Vessels from infected ports reporting sickness are sent direct to the appropriate mooring station for medical examination. All other vessels are boarded and examined on arrival at their appointed berths.



### 3.—NOTIFICATION TO THE AUTHORITY OF INWARD VESSELS REQUIRING SPECIAL ATTENTION (WIRELESS MESSAGES, LAND SIGNAL STATIONS, INFORMATION FROM PILOTS, CUSTOMS OFFICERS, ETC.)

Masters of vessels requiring special attention on arrival are able to get in communication with the Port Health Authority by wireless (Telegraphic Address—Portelth, South Shields) giving particulars and probable time of arrival.

Pilots report any sickness on passing H.M. Customs Hailing Station, who in turn are in direct telephonic communication with the Mill Dam Office.

### 4.—MOORING STATIONS DESIGNATED UNDER ARTICLE 10.

(a) *Within the Docks*, (b) *Outside the Docks*.

It has been arranged with H.M. Customs and Tyne Improvement Commission to adopt the following scheme in reference to moorings other than the Quarantine Station at Jarrow Slake, which will remain as heretofore for dealing with infected vessels arriving direct from sea.

|                      |                 |
|----------------------|-----------------|
| (a) Tyne Dock,       | (b) Dunston,    |
| Northumberland Dock, | Newcastle Quay, |
| Albert Edward Dock.  | Jarrow Slake.   |

At each of these places arrangements have been made by the Medical Officer of Health with the Dock Masters concerned to provide water isolation buoys when required. At any other place of mooring, discharging or loading in the Tyne Area, the Medical Officer will designate a place of mooring station when required.

In order to prevent unnecessary delay in shipping in the Port the following procedure should be carried out :—

- (1) Any ship with cholera, plague, yellow fever, typhus or small-pox on board shall proceed to the mooring station at Jarrow Slake.
- (2) Where a ship, whether foreign going or not, arrives at the Tyne from a foreign port and it appears in answer to questions or otherwise that :—
  - (a) During the voyage or last six weeks of the voyage there has been on the ship a death from illness suspected to be any of the five above-mentioned diseases, she shall proceed to the appointed mooring station nearest her ordinary berth.

- (b) During the voyage or last six weeks of same, plague has occurred or been suspected amongst rats or mice on the ship, or sickness or death not attributable to poison or other methods of destruction has occurred amongst rats or mice on the ship, she shall proceed to her appropriate mooring station nearest her ordinary berth.
- (c) The ship has (1) called at a port or seaboard included in the weekly return of infected or suspected ports or seabords but reports "all well" during the voyage, and arrives with no sickness on board, unless a written notice to the contrary has been delivered to the Customs Officer by or on behalf of the Medical Officer ; or

(2) has on board a case of minor infectious disorder, namely, chicken-pox, measles, scarlet fever, diphtheria, enteric fever, pneumonia, tuberculosis, mumps, cerebro spinal fever, erysipelas, malaria or dysentery, she will be permitted to proceed to her ordinary place of mooring, loading or discharge, and be granted modified pratique there, the Medical Officer being informed.

#### 5.—PARTICULARS OF ANY STANDING EXEMPTIONS FROM THE PROVISIONS OF ARTICLE 14.

Under Article 14 any vessel arriving and having on board a case of minor infectious disorder, namely, chicken-pox, measles, scarlet fever, diphtheria, enteric fever, pneumonia, tuberculosis, mumps, cerebro spinal fever, erysipelas, malaria or dysentery, she will be permitted to proceed to her ordinary place of mooring, loading or discharge, and be granted modified pratique there, the Medical Officer being informed.

#### 6.—EXPERIENCE OF WORKING OF ARTICLE 16.

Boarding by tradesmen's representatives before the granting of pratique has occurred from time to time, and in order to prevent this practice warnings have been issued to all offenders that subsequent infringements would be the subject of stringent action.

#### 7.—WHAT, IF ANY, ARRANGEMENTS HAVE BEEN MADE FOR :—

- (a) *Premises and waiting rooms for medical examination.*

Examination rooms are available at Mill Dam Offices, South Shields, Tyne Commission Quay, North Shields and Newcastle Quay.

(b) *Cleansing and disinfection of ships, persons and clothing and other articles.*

Disinfection of infected quarters is carried out by the Tyne Port Health Authority's Staff.

Bedding, clothing and other articles are dealt with at the Steam Disinfection Station at Walkergate.

Arrangements have been made for the cleansing of persons at Walkergate Hospital.

(c) *Premises for the temporary accommodation of persons for whom such accommodation is required for the purpose of the Regulations.*

Persons for whom accommodation is required for the purpose of the Regulations are sent to Walkergate Hospital.

(d) *Hospital accommodation available for Plague, Cholera, Yellow Fever, Small-pox and other infectious diseases.*

Arrangements have been made for the reception of all infectious diseases at Walkergate Hospital, North Shields and South Shields Infectious Hospitals.

(e) *Ambulance Transport.*

Transport of cases by water is carried out by the Authority's Launches. Cases of land transport by Motor Ambulance.

(f) *Supervision of contacts.*

Contacts may be sent to Walkergate Hospital or dealt with on board.

#### 8.—ARRANGEMENTS FOR THE BACTERIOLOGICAL OR PATHOLOGICAL EXAMINATION OF RATS FOR PLAGUE.

These examinations are carried out at the Bacteriological Laboratory of the College of Medicine, Newcastle-upon-Tyne.

#### 9.—ARRANGEMENTS FOR OTHER BACTERIOLOGICAL OR PATHOLOGICAL EXAMINATIONS.

These examinations are also carried out at the Bacteriological Laboratory of the College of Medicine, Newcastle-upon-Tyne.

#### 10.—ARRANGEMENTS FOR THE DIAGNOSIS AND TREATMENT OF VENEREAL DISEASE AMONG SAILORS UNDER INTERNATIONAL ARRANGEMENTS.

The Masters of all vessels inspected are asked to report any case of venereal disease occurring amongst their crews, when instructions are given for the treatment of venereal disease at the local clinics.

#### 11.—ARRANGEMENTS FOR THE INTERMENT OF DEAD.

When death occurs on board ships at Tyne Ports the body is removed to the nearest mortuary and arrangements made for the interment.



TABLE C.

CASES OF INFECTIOUS SICKNESS LANDED FROM VESSELS.

| Disease.            | No. of Cases during the Year. |       | No. of Vessels concerned. | Average No. of Cases for previous 5 years. |
|---------------------|-------------------------------|-------|---------------------------|--------------------------------------------|
|                     | Passengers.                   | Crew. |                           |                                            |
| Chicken-pox .....   | —                             | —     | —                         | —                                          |
| Diphtheria .....    | —                             | —     | —                         | ·2                                         |
| Dysentery.....      | —                             | 1     | 1                         | ·8                                         |
| Enteric .....       | —                             | 1     | 1                         | ·2                                         |
| Erysipelas.....     | 1                             | —     | 1                         | ·6                                         |
| Malaria .....       | —                             | 5     | 1                         | 1·0                                        |
| Measles .....       | —                             | 1     | 1                         | 1·0                                        |
| Mumps .....         | —                             | 1     | 1                         | —                                          |
| Plague .....        | —                             | —     | —                         | —                                          |
| Pneumonia .....     | —                             | 1     | 1                         | 1·6                                        |
| Scarlet Fever ..... | —                             | 1     | 1                         | ·8                                         |
| Small Pox.....      | —                             | —     | —                         | —                                          |
| Tuberculosis .....  | —                             | 2     | 2                         | 1·4                                        |
| Typhus .....        | —                             | —     | —                         | —                                          |
| Whooping Cough..... | —                             | —     | —                         | —                                          |
| Yellow Fever .....  | —                             | —     | —                         | —                                          |

TABLE D.

CASES OF INFECTIOUS SICKNESS OCCURRING ON VESSELS DURING THE VOYAGE BUT DISPOSED OF PRIOR TO ARRIVAL.

| Disease.            | No. of Cases during the Year. |       | No. of Vessels concerned. | Average No. of Cases for previous 5 years. |
|---------------------|-------------------------------|-------|---------------------------|--------------------------------------------|
|                     | Passengers.                   | Crew. |                           |                                            |
| Chicken-pox .....   | —                             | 1     | 1                         | ·8                                         |
| Diphtheria .....    | —                             | —     | —                         | —                                          |
| Dysentery.....      | —                             | 1     | 1                         | 2·4                                        |
| Enteric .....       | —                             | 8     | 3                         | 2·8                                        |
| Erysipelas.....     | —                             | 1     | 1                         | —                                          |
| Malaria .....       | —                             | 41    | 23                        | 31·6                                       |
| Measles .....       | —                             | 4     | 1                         | ·8                                         |
| Mumps .....         | —                             | —     | —                         | ·2                                         |
| Plague .....        | —                             | —     | —                         | —                                          |
| Pneumonia .....     | —                             | 5     | 5                         | ·8                                         |
| Scarlet Fever ..... | —                             | 1     | 1                         | ·2                                         |
| Small Pox.....      | —                             | 1     | 1                         | ·4                                         |
| Tuberculosis .....  | —                             | 4     | 4                         | 3·6                                        |
| Typhus .....        | —                             | —     | —                         | —                                          |
| Whooping Cough..... | —                             | —     | —                         | —                                          |
| Yellow Fever .....  | —                             | —     | —                         | 2·8                                        |



## CHICKEN POX.

| Date.<br>1938. | Name of Vessel.            | From.                             | On Voyage. | On or after<br>Arrival. | Remarks.                             | Notes<br>on<br>Arrival<br>at<br>Tyne. |
|----------------|----------------------------|-----------------------------------|------------|-------------------------|--------------------------------------|---------------------------------------|
| April 9        | s.s. "City of<br>Kcelung " | Karachi, Port Said and<br>Antwerp | 1          | —                       | Left in<br>hospital<br>at<br>Karachi | Crew all<br>well.                     |
|                |                            |                                   | 1          | —                       |                                      |                                       |

## DYSENTERY.

|          |                              |                                                       |   |   |                                         |                   |
|----------|------------------------------|-------------------------------------------------------|---|---|-----------------------------------------|-------------------|
| Sept. 16 | s.s. "British<br>Councillor" | Abadan and Swansea ..                                 | — | 1 |                                         |                   |
| Sept. 24 | s.s. "Somersby" ..           | Brake, New Orleans,<br>Norfolk, V.A., and<br>Takoradi | 1 | — | Left in<br>hospital<br>at Lake<br>North | Crew all<br>well. |
|          |                              |                                                       | 1 | 1 |                                         |                   |

## ENTERIC.

|          |                     |                                                                          |   |   |                                                                                    |                                 |
|----------|---------------------|--------------------------------------------------------------------------|---|---|------------------------------------------------------------------------------------|---------------------------------|
| April 29 | s.s. "Temple Pier"  | Yokahama, Sabang,<br>Port Said, Gibraltar,<br>Dunkirk and Rotter-<br>dam | 2 | — | Left in<br>hospital<br>at Yoka-<br>hama                                            | Crew all<br>well.               |
| Aug. 4   | s.s. "Leadgate"     | Rocheforte, Bordeaux<br>and Bilbao                                       | — | 1 |                                                                                    | Removed<br>to City<br>Hospital. |
| Nov. 8   | s.s. "Tymeric" ...  | St. Vincent, Stavanger,<br>Odense and Kalmar                             | 5 | — | 2 cases<br>left in<br>hospital<br>at St.<br>Vincent<br>and 3<br>cases at<br>Odense | Crew all<br>well.               |
| Sept. 21 | s.s. "Artemisia" .. | Sabang, Darien,<br>Gibraltar and<br>Hamburg                              | 1 | — | Left in<br>hospital<br>at<br>Shanghai                                              | Crew all<br>well.               |
|          |                     |                                                                          | 8 | 1 |                                                                                    |                                 |

## ERYSIPELAS.

| Date.<br>1938. | Name of Vessel.    | From.                                                                                    | On Voyage. | On or after<br>Arrival. | Remarks.                              | Notes<br>on<br>Arrival<br>at<br>Tyne. |
|----------------|--------------------|------------------------------------------------------------------------------------------|------------|-------------------------|---------------------------------------|---------------------------------------|
| Jan. 17        | s.s. "Blenheim" .. | Oslo .....                                                                               | —          | 1                       |                                       | Removed<br>to City<br>Hospital        |
| April 21       | s.s. "Laleham" ..  | Istanbul, Odessa,<br>Istanbul, Bona,<br>Barcelona, Alicante,<br>Gibraltar and<br>Brixham | 1          | —                       | Left in<br>hospital<br>at<br>Istanbul | Crew all<br>well.                     |
|                |                    |                                                                                          | 1          | 1                       |                                       |                                       |

## MALARIA.

|         |                            |                                                                                                    |   |   |                                        |                   |
|---------|----------------------------|----------------------------------------------------------------------------------------------------|---|---|----------------------------------------|-------------------|
| Jan. 21 | s.s. "Harlingen"           | Karachi, Port Said,<br>Gibraltar, Dublin<br>and London                                             | 1 | — | Left in<br>hospital<br>at Port<br>Said | Crew all<br>well. |
| Jan. 28 | s.s. "Newton<br>Moor"      | Takoradi, Kiel and<br>Danzic                                                                       | 2 | — | Left at<br>Cux-<br>haven               | Crew all<br>well. |
| Feb. 14 | s.s. "MacGregor<br>Laird"  | Lagos, Freetown, Las<br>Palmas, Rotterdam,<br>Amsterdam and<br>Hamburg                             | 3 | — | Left at<br>Rotter-<br>dam              | Crew all<br>well. |
| Mar. 4  | s.s. "Atlantic" ...        | Gibraltar, Pepel and<br>Middlesbrough                                                              | 1 | — |                                        | Crew all<br>well. |
| Mar. 4  | s.s. "Usk" .....           | Pernambuco, Santos,<br>Port Allegro, Rosario<br>and Bahia Blanco                                   | 1 | — |                                        | Crew all<br>well. |
| Mar. 12 | s.s. "Bassa" .....         | Freetown, West<br>African Ports,<br>Rotterdam and<br>Hamburg                                       | 1 | — | Left at<br>Lagos                       | Crew all<br>well. |
| Mar. 26 | s.s. "Brookwood"           | Durban, Mauritius,<br>Freetown and<br>London                                                       | 2 | — | Paid off at<br>London                  | Crew all<br>well. |
| May 2   | s.s. "Thirlby" ...         | Takoradi, Baltimore,<br>Savanah, Tampa,<br>London, Bremen,<br>Hamburg, Rensburg<br>and Brunsbuttel | 3 | — | Left in<br>hospital<br>at<br>Takoradi  | Crew all<br>well. |
| June 1  | s.s. "Ledbury" ..          | Bona .....                                                                                         | 1 | — | Left at<br>Bona                        | Crew all<br>well. |
| July 11 | s.s. "Abbeydale"           | Abadan, Suez and<br>Portsmouth                                                                     | 1 | — | Left at<br>Abadan                      | Crew all<br>well. |
| July 19 | s.s. "British<br>Advocate" | Abadan, Port Said,<br>Rotterdam and<br>Amsterdam                                                   | 1 | — | Left at<br>Port<br>Said                | Crew all<br>well. |

## MALARIA—Continued.

| Date.<br>1938. | Name of Vessel.             | From.                                                                               | On<br>Voyage. | On or after<br>Arrival. | Remarks.                      | Notes<br>on<br>Arrival<br>at<br>Tyne.            |
|----------------|-----------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------|-------------------------------|--------------------------------------------------|
| Aug. 9         | s.s. "Lackenby"             | Rio de Janeiro,<br>Takoradi and Sauda                                               | 1             | 5                       | 1 case left<br>at<br>Takoradi | 5 cases<br>examined<br>by<br>Medical<br>Officer. |
| Aug. 13        | m.s. "Dixcove" ..           | Las Palmas, Conakey,<br>West African Ports,<br>Freetown, Amster-<br>dam and Hamburg | 3             | —                       | Treated<br>on<br>board        | Crew all<br>well.                                |
| Aug. 23        | s.s. "Troutpool"            | Takoradi and Souda ...                                                              | 2             | —                       | Treated<br>at<br>Takoradi     | Crew all<br>well.                                |
| Aug. 29        | s.s. "Daleby" ....          | Leghorn, Takoradi,<br>Norfolk, Galveston<br>and Hamburg                             | 5             | —                       | Treated<br>during<br>voyage   | Crew all<br>well.                                |
| Sept. 2        | m.s. "Genota" ..            | Trinidad .....                                                                      | 1             | —                       | Treated<br>at<br>Trinidad     | Crew all<br>well.                                |
| Sept. 24       | s.s. "Somersby"             | Takoradi, Norfolk,<br>V.A., New Orleans<br>and Brake                                | 4             | —                       | Treated<br>during<br>voyage   | Crew all<br>well.                                |
| Sept. 26       | s.s. "Harperly" ..          | Vancouver, Panama<br>Canal, Port Royal<br>and London                                | 1             | —                       | Left at<br>Van-<br>couver     | Crew all<br>well.                                |
| Oct. 13        | s.s. "Librerian" ..         | Delfzyl, Christiansund,<br>Grimsby and Gdynia                                       | 1             | —                       | Treated<br>during<br>voyage   | Crew all<br>well.                                |
| Nov. 1         | s.s. "Trondhjems-<br>fjord" | Madagascar, Bordeaux,<br>Dunkirk and<br>Trondhjem                                   | 2             | —                       | Left at<br>Trondh-<br>jem     | Crew all<br>well.                                |
| Nov. 4         | s.s. "Homeside"             | Montreal, Sydney, C.B.<br>and Antwerp                                               | 1             | —                       | Left at<br>Sydney,<br>C.B.    | Crew all<br>well.                                |
| Nov. 17        | s.s. "Egba" .....           | West African Ports,<br>Freetown and<br>Aarhus                                       | 2             | —                       | Treated<br>on<br>board        | Crew all<br>well.                                |
| Dec. 24        | s.s. "Trondh-<br>jemsfjord" | Takoradi and Stavanger                                                              | 1             | —                       | Left at<br>Stavan-<br>ger.    | Crew all<br>well.                                |
|                |                             |                                                                                     | 41            | 5                       |                               |                                                  |

## MEASLES.

|         |                  |                                     |   |   |                         |                      |
|---------|------------------|-------------------------------------|---|---|-------------------------|----------------------|
| Mar. 14 | s.s. "The Baron" | Rochester, Goole and<br>Belfast     | — | 1 | Treated<br>at<br>London | Treated<br>on board. |
| May 21  | s.s. "Briarwood" | Montreal, Nova Scotia<br>and London | 4 | — |                         | Crew all<br>well.    |
|         |                  |                                     | 4 | 1 |                         |                      |

## MUMPS.

| Date.<br>1938. | Name of Vessel.    | From.                 | On Voyage. | On or after<br>Arrival. | Remarks. | Notes<br>on<br>Arrival<br>at<br>Tyne. |
|----------------|--------------------|-----------------------|------------|-------------------------|----------|---------------------------------------|
| May 18         | s.s. "Torridal" .. | Obreno and Trang sund | —          | 1                       |          | Treated<br>on board.                  |
|                |                    |                       | —          | 1                       |          |                                       |

## PNEUMONIA.

|          |                        |                                                                  |   |   |                      |                            |
|----------|------------------------|------------------------------------------------------------------|---|---|----------------------|----------------------------|
| Jan. 15  | s.s. "Dalcroy"....     | Macassar, Colombo,<br>Port Said,<br>Gibraltar and<br>Amsterdam   | 1 | — | Left at<br>Hamburg   | Crew all<br>well.          |
| Jan. 18  | m.s. "British<br>Hope" | Melbourne, Miri,<br>Colombo, Bombay,<br>Abadan, Grange-<br>mouth | 1 | — | Left at<br>Abadan    | Crew all<br>well.          |
| Feb. 1   | s.s. "Lunula" ...      | Curacao and Saltend ..                                           | 1 | — | Left at<br>Dover     | Crew all<br>well.          |
| Feb. 22  | s.s. "Simonburn"       | Mobile, Belfast and<br>Cardiff                                   | 1 | — | Died on<br>voyage    | Crew all<br>well.          |
| May 21   | s.s. "Terlings" ...    | Djidjelli (West Coast<br>Africa)                                 | 1 | — | Left at<br>Gibraltar | Crew all<br>well.          |
| Sept. 26 | s.s. "Highlander"      | Aberdeen .....                                                   | — | 1 |                      | Removed<br>to<br>hospital. |
|          |                        |                                                                  | 5 | 1 |                      |                            |

## SCARLET FEVER.

|         |                    |                                                     |   |   |                        |                                 |
|---------|--------------------|-----------------------------------------------------|---|---|------------------------|---------------------------------|
| April 5 | s.s. "San Mateo "  | Houston, Galveston,<br>Mobile, Havre and<br>Antwerp | — | 1 |                        | Removed<br>to City<br>Hospital. |
| Oct. 25 | s.s. "Wallsend" .. | Rotterdam and Rouen                                 | 1 | — | Landed at<br>Rotterdam | Crew all<br>well.               |
|         |                    |                                                     | 1 | 1 |                        |                                 |



## SMALLPOX.

| Date.<br>1938. | Name of Vessel.     | From.                                          | On Voyage. | On or after<br>Arrival. | Remarks.           | Notes<br>on<br>Arrival<br>at<br>Tyne. |
|----------------|---------------------|------------------------------------------------|------------|-------------------------|--------------------|---------------------------------------|
| Aug. 29        | s.s. "Seringa" .... | Cape Town, Sierra Leone, Rotterdam and Hamburg | 1          | —                       | Landed at Calcutta | Crew all well.                        |
|                |                     |                                                | 1          | —                       |                    |                                       |

## TUBERCULOSIS.

|         |                     |                                         |   |   |                    |                                                  |
|---------|---------------------|-----------------------------------------|---|---|--------------------|--------------------------------------------------|
| Mar. 22 | s.s. "Abbeydale"    | Abadan, Port Said, Malta and Portsmouth | — | 1 |                    | Removed to hospital.                             |
| July 9  | s.s. "Gretastan"    | Vancouver, Port Royal and London        | 1 | — |                    | Crew all well.                                   |
| July 20 | s.s. "Lunula" ....  | Constanza, Abo and Helsingfors          | — | 1 |                    | Paid off on arrival, remainder of crew all well. |
| Aug. 15 | s.s. "Oakbank"...   | Freemantle, Port Said and London        | 1 | — | Left at London     | Crew all well.                                   |
| Aug. 18 | s.s. "Macgregor"    | Hayre, Brixham and Casablanca           | 1 | — | Died during voyage | Body landed at Tyne. Remainder of crew all well. |
| Dec. 22 | s.s. "Goldshell" .. | Curacao and Rotterdam                   | 1 | — | Left at Rotterdam  | Crew all well.                                   |
|         |                     |                                         | 4 | 2 |                    |                                                  |

## PSITTACOSIS.

*Parrots (Prohibition of Import) Regulations, 1930.*

39 vessels arrived at Tyne Ports with 20 parrots, 1 cockatoo, 1 parakeet and 77 budgerigars on board. These birds all appeared to be in a healthy condition.

No cases of Psittacosis (Parrot Disease) occurred during the year.

GENERAL SICKNESS ON BOARD VESSELS ARRIVING AT TYNE PORTS.

The subjoined Table gives a return of cases of Sickness\* reported by Masters of Vessels as having occurred during the Voyage, or coming under the notice of the Tyne Port Officials in each month of the year 1938.

| DATE.<br>1938.   | Chicken Pox. | Diphtheria. | Dysentery. | Enteric. | Erysipelas.   | Malaria. | Measles. | Mumps. | Pneumonia. | Scarlet Fever. | Smallpox. | Yellow Fever. | Tuberculosis. | Accidents. | Abscesses, Boils,<br>and Carbuncles. | Appendicitis. | Asthma and<br>Bronchitis. | Blood Poisoning. | Colds. | Debility. | Genito-Urinaryand<br>Diseases of Bladder | Disease of<br>Digestive System. | Disease of Ear. | Disease of Eye. | Disease of Glands. | Disease of Heart. | Disease of<br>Intestines. | Disease of Kidney. |
|------------------|--------------|-------------|------------|----------|---------------|----------|----------|--------|------------|----------------|-----------|---------------|---------------|------------|--------------------------------------|---------------|---------------------------|------------------|--------|-----------|------------------------------------------|---------------------------------|-----------------|-----------------|--------------------|-------------------|---------------------------|--------------------|
| January . . . .  | ..           | ..          | ..         | ..       | †1            | 3        | ..       | ..     | 2          | ..             | ..        | ..            | ..            | †8         | 2                                    | 1             | ..                        | ..               | ..     | ..        | 1                                        | ..                              | 1               | 1               | ..                 | ..                | ..                        | 1                  |
| February . . .   | ..           | ..          | ..         | ..       | ..            | 3        | ..       | ..     | †2         | ..             | ..        | ..            | ..            | 1          | ..                                   | 2             | ..                        | ..               | ..     | ..        | 1                                        | 2                               | ..              | ..              | ..                 | ..                | †1                        | ..                 |
| March . . . . .  | ..           | ..          | ..         | ..       | ..            | 5        | 1        | ..     | ..         | ..             | ..        | ..            | 1             | 1          | 1                                    | ..            | ..                        | ..               | 1      | ..        | 1                                        | ..                              | ..              | ..              | 1                  | 1                 | ..                        | ..                 |
| April . . . . .  | 1            | ..          | ..         | 2        | †1            | ..       | ..       | ..     | ..         | †1             | ..        | ..            | ..            | 1          | ..                                   | †4            | ..                        | ..               | ..     | 1         | ..                                       | 1                               | ..              | ..              | ..                 | 1                 | ..                        | ..                 |
| May . . . . .    | ..           | ..          | ..         | ..       | ..            | 3        | 4        | 1      | 1          | ..             | ..        | ..            | ..            | 2          | 1                                    | 1             | 1                         | ..               | ..     | 2         | ..                                       | ..                              | ..              | ..              | ..                 | ..                | 3                         | ..                 |
| June . . . . .   | ..           | ..          | ..         | ..       | ..            | 1        | ..       | ..     | ..         | ..             | ..        | ..            | ..            | †1         | 2                                    | ..            | ..                        | ..               | 1      | 1         | 1                                        | ..                              | ..              | ..              | ..                 | ..                | ..                        | ..                 |
| July . . . . .   | ..           | ..          | ..         | ..       | ..            | 2        | ..       | ..     | ..         | ..             | ..        | ..            | 2             | †9         | ..                                   | ..            | ..                        | ..               | ..     | ..        | 1                                        | ..                              | ..              | ..              | 1                  | ..                | ..                        | 1                  |
| August . . . . . | ..           | ..          | ..         | †1       | ..            | 16       | ..       | ..     | ..         | ..             | †1        | ..            | †2            | 2          | 1                                    | ..            | 1                         | 1                | ..     | ..        | ..                                       | ..                              | ..              | ..              | ..                 | †2                | ..                        | ..                 |
| September . .    | ..           | ..          | 2          | ..       | ..            | 6        | ..       | ..     | 1          | ..             | ..        | ..            | ..            | 1          | 2                                    | 2             | ..                        | ..               | ..     | 3         | ..                                       | ..                              | ..              | ..              | ..                 | ..                | 2                         | ..                 |
| October . . . .  | ..           | ..          | ..         | ..       | ..            | 1        | ..       | ..     | ..         | 1              | ..        | ..            | ..            | 2          | 4                                    | 2             | ..                        | ..               | 1      | 2         | ..                                       | ..                              | 1               | ..              | ..                 | †1                | ..                        | 2                  |
| November . . .   | ..           | ..          | ..         | 6        | ..            | †5       | ..       | ..     | ..         | ..             | ..        | ..            | ..            | 3          | 1                                    | 3             | ..                        | ..               | ..     | 4         | ..                                       | ..                              | ..              | ..              | ..                 | 1                 | ..                        | ..                 |
| December . .     | ..           | ..          | ..         | ..       | ..            | 1        | ..       | ..     | ..         | ..             | ..        | ..            | 1             | †2         | ..                                   | 2             | ..                        | ..               | ..     | ..        | ..                                       | ..                              | ..              | ..              | 1                  | ..                | ..                        | †1                 |
| TOTALS . . .     | 1            | ..          | 2          | 9<br>†1  | †1<br>2<br>†1 | 46<br>†1 | 5        | 1      | 6<br>†1    | 2<br>†1        | 1<br>†1   | ..            | 6<br>†1       | 33<br>†6   | 14                                   | 17<br>†1      | 2                         | 1                | 14     | 1         | 5                                        | 3                               | 3               | 1               | 2                  | 6<br>†3           | 6<br>†1                   | 5<br>†1            |

GENERAL SICKNESS ON BOARD VESSELS ARRIVING AT TYNE PORTS—Continued.

|                    | Disease of Liver. | Disease of Organs of Locomotion. | Disease of Nose. | Disease of Skin. | Disease of Stomach | Disease of Veins. | Diabetes. | Enteritis. | Epilepsy. | Hæmorrhoids. | Hernia. | Heatstroke. | Influenza. | Lumbago. | Malignant Growths. | Mental. | Non-Defined. | Pleurisy and Con-<br>gestion of Lungs. | Pyrexia of<br>Unknown Origin. | Pyorrhœa and<br>Dental. | Rheumatism and<br>Neuritis. | Rheumatic Fever. | Senile Decay. | Sore Throat,<br>Tonsillitis & Quinsy | Suicide. | Veneral. | TOTAL. |     |
|--------------------|-------------------|----------------------------------|------------------|------------------|--------------------|-------------------|-----------|------------|-----------|--------------|---------|-------------|------------|----------|--------------------|---------|--------------|----------------------------------------|-------------------------------|-------------------------|-----------------------------|------------------|---------------|--------------------------------------|----------|----------|--------|-----|
| January . . . .    | ..                | 1                                | ..               | 1                | ..                 | 2                 | ..        | ..         | ..        | 1            | 2       | ..          | 2          | ..       | ..                 | ..      | ..           | ..                                     | ..                            | 1                       | 3                           | ..               | ..            | 1                                    | ..       | 16       | 50     |     |
| February . . . .   | ..                | ..                               | ..               | ..               | 1                  | ..                | 1         | ..         | ..        | ..           | ..      | ..          | 8          | ..       | ..                 | ..      | ..           | ..                                     | ..                            | ..                      | 1                           | ..               | 1             | ..                                   | ..       | 8        | 32     |     |
| March . . . . .    | 1                 | ..                               | ..               | ..               | 3                  | ..                | ..        | ..         | ..        | ..           | ..      | ..          | ..         | ..       | ..                 | ..      | 1            | ..                                     | ..                            | ..                      | 3                           | ..               | ..            | ..                                   | ..       | 4        | 24     |     |
| April . . . . .    | ..                | ..                               | ..               | ..               | 3                  | ..                | ..        | ..         | ..        | ..           | ..      | ..          | ..         | ..       | ..                 | ..      | ..           | ..                                     | ..                            | ..                      | 1                           | ..               | ..            | 2                                    | ..       | 19       | 38     |     |
| May . . . . .      | ..                | ..                               | ..               | ..               | 2                  | ..                | ..        | ..         | ..        | ..           | ..      | ..          | ..         | ..       | 1                  | ..      | ..           | ..                                     | ..                            | ..                      | ..                          | ..               | ..            | 1                                    | ..       | 5        | 27     |     |
| June . . . . .     | ..                | ..                               | ..               | ..               | 3                  | ..                | ..        | ..         | ..        | ..           | ..      | ..          | ..         | ..       | 1                  | 1       | †1           | ..                                     | ..                            | ..                      | ..                          | ..               | ..            | 3                                    | ..       | 2        | 16     |     |
| July . . . . .     | 3                 | ..                               | ..               | ..               | 1                  | ..                | ..        | ..         | ..        | ..           | ..      | ..          | 2          | ..       | ..                 | 1       | ..           | ..                                     | ..                            | ..                      | ..                          | ..               | ..            | 4                                    | ..       | 4        | 32     |     |
| August . . . . .   | ..                | ..                               | ..               | ..               | †1                 | ..                | ..        | ..         | ..        | ..           | ..      | ..          | 1          | 1        | ..                 | ..      | †3           | 1                                      | ..                            | ..                      | 1                           | ..               | ..            | ..                                   | ..       | 7        | 41     |     |
| September . . . .  | ..                | ..                               | ..               | ..               | 2                  | ..                | ..        | ..         | 1         | 1            | ..      | 2           | 2          | ..       | ..                 | ..      | 1            | ..                                     | ..                            | ..                      | ..                          | ..               | ..            | ..                                   | ..       | 12       | 40     |     |
| October . . . . .  | ..                | ..                               | ..               | ..               | ..                 | ..                | ..        | ..         | ..        | ..           | ..      | ..          | ..         | ..       | ..                 | ..      | ..           | ..                                     | 2                             | ..                      | ..                          | ..               | ..            | 1                                    | †1       | 5        | 26     |     |
| November . . . . . | ..                | ..                               | ..               | ..               | 1                  | ..                | ..        | 22         | ..        | ..           | 1       | 2           | 1          | ..       | ..                 | ..      | †2           | ..                                     | ..                            | 1                       | 1                           | ..               | ..            | ..                                   | ..       | 2        | 57     |     |
| December . . . .   | 1                 | ..                               | ..               | ..               | 2                  | ..                | 1         | ..         | ..        | ..           | 1       | 1           | 1          | ..       | ..                 | ..      | 1            | ..                                     | ..                            | ..                      | 1                           | ..               | ..            | ..                                   | ..       | 10       | 28     |     |
| TOTALS . . . . .   | 5                 | 1                                | ..               | 1                | 19<br>†1           | 2                 | 2         | 22         | 1         | 2            | 4       | 5           | 17         | 1        | 1                  | 1       | 9<br>†4      | 1                                      | 1                             | 2                       | 2                           | 11               | ..            | 1                                    | 12       | 1<br>†1  | 94     | 411 |

\* The names of the Diseases during the voyage are given as reported by the Master of the vessels.

† Deaths.

‡ Removed to City Hospital for Infectious Diseases, Newcastle-upon-Tyne.

VESSELS ARRIVING FROM INFECTED OR SUSPECTED  
PORTS.

Vessels arriving at Tyne from Infected Ports were boarded by the  
Medical Officer and Inspectors of the Tyne Port Health Authority,  
as under :—

| Name of Port.    |     | Direct<br>to the<br>Tyne. | To the<br>Tyne<br>Indirect. |
|------------------|-----|---------------------------|-----------------------------|
| Alexandria ..... | *   | ....                      | 37                          |
| Algiers .....    | *   | 1                         | 25                          |
| Bona .....       | *   | 5                         | 40                          |
| Bombay.....      | ††  | ....                      | 5                           |
| Bougie .....     | *   | ....                      | 3                           |
| Calcutta.....    | ††  | ....                      | 4                           |
| Casablanca ..... | *   | ....                      | 13                          |
| Colombo .....    | §   | ....                      | 3                           |
| Dakar .....      | †   | 1                         | 39                          |
| Freetown .....   | *   | ....                      | 1                           |
| Haifa .....      | *   | 1                         | 16                          |
| Houston .....    | †*  | ....                      | 1                           |
| Jaffa.....       | *   | ....                      | 6                           |
| Kaolack .....    | †   | ....                      | 4                           |
| Karachi .....    | †   | ....                      | 6                           |
| Lagos .....      | †   | ....                      | 1                           |
| Lisbon .....     | †   | ....                      | 11                          |
| Los Angeles..... | *   | ....                      | 1                           |
| Macassar .....   | *   | ....                      | 1                           |
| Mobile .....     | *   | ....                      | 7                           |
| New York .....   | *   | ....                      | 6                           |
| Oran .....       | *   | ....                      | 14                          |
| Port Said.....   | *   | ....                      | 2                           |
| Rangoon .....    | §†† | ....                      | 4                           |
| Rotterdam .....  | *   | 17                        | 5                           |
| Saigon .....     | †   | ....                      | 1                           |
| Salonica .....   | †*  | ....                      | 3                           |
| Savannah .....   | *   | ....                      | 4                           |
| Shanghai .....   | *   | ....                      | 1                           |
| Singapore .....  | †   | ....                      | 3                           |
| Tunis .....      | §*  | ....                      | 4                           |
| TOTAL .....      |     | 25                        | 271                         |

§ Plague      † Cholera.      † Smallpox.      \* Typhus.



## V. MEASURES AGAINST RODENTS.

1.—STEPS TAKEN FOR THE DETECTION OF RODENT PLAGUE (*a*) IN SHIPS IN THE PORT.

All rats captured or killed on board ship are examined before being cremated. Suspected rats are sent to the College of Medicine, Newcastle-upon-Tyne, for bacteriological examination. In cases where this examination proves positive, specimens are also sent to the Ministry of Health.

## 2.—MEASURES TAKEN TO PREVENT THE PASSAGE OF RATS BETWEEN SHIPS AND THE SHORE.

Rat guards are placed on all mooring ropes, also a wrapping of canvas coated with gas tar; gangways are limewashed, and strips of canvas coated with gas tar tacked down on gangways.

3.—METHODS OF DERATISATION OF (*a*) SHIPS.

Fumigation by sulphur dioxide and hydrogen cyanide.

Trapping.

## 4.—MEASURES TAKEN FOR THE DETECTION OF RAT PREVALENCE IN SHIPS.

Vessels are examined by our Inspectors and Rat-searchers.

## 5.—RAT-PROOFING.

(*a*) *To what extent are docks, wharves, warehouses, etc., rat proof?*

The Tyne Port Health Authority have no jurisdiction over docks, wharves, warehouses and shore premises.

Measures have been taken by Shore Authorities in the construction and provision of new sheds on the quaysides with the result that rat harbourage has more or less been eliminated.

(*b*) *Action taken to extend rat-proofing on ships.*

When on examination rat harbourage is discovered, this matter is pointed out to the Owners' Superintendent, when we advise him to eliminate same as far as possible by substituting metal sheathing and expanded metal in place of wooden casings and sheathings.

RATS DESTROYED DURING THE YEAR.

TABLE E.

(1) ON VESSELS.

| Number of Rats.      | Jan. | Feb. | March. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total<br>in Year. |
|----------------------|------|------|--------|--------|------|-------|-------|------|-------|------|------|------|-------------------|
| Black.....           | 16   | 56   | 12     | 66     | 15   | 38    | 17    | 66   | 66    | 2    | 146  | 173  | 673               |
| Brown .....          | 18   | 18   | 6      | 3      | 48   | 20    | 22    | 8    | 112   | 23   | 31   | 81   | 390               |
| Species not recorded | Nil. | Nil. | Nil.   | Nil.   | Nil. | Nil.  | Nil.  | Nil. | Nil.  | Nil. | Nil. | Nil. | Nil.              |
| Examined .....       | 34   | 74   | 18     | 69     | 63   | 58    | 39    | 74   | 178   | 25   | 177  | 254  | 1,063             |
| Infected with Plague | Nil. | Nil. | Nil.   | Nil.   | Nil. | Nil.  | Nil.  | Nil. | Nil.  | Nil. | Nil. | Nil. | Nil.              |

TABLE F.

The docks, quays, wharves and warehouses at the Tyne Ports come under the jurisdiction of the Shore Authorities, and no reports are available.

TABLE G.

MEASURES OF RAT DESTRUCTION ON PLAGUE ‘INFECTED’ OR ‘SUSPECTED’ VESSELS OR VESSELS FROM PLAGUE INFECTED PORTS ARRIVING IN THE PORT DURING THE YEAR.

| Total number<br>of such Vessels<br>arriving. | Number of<br>such Vessels<br>Fumigated by<br>S.O.2. | Number of<br>such Vessels<br>Fumigated by<br>H.C.N. | Number of<br>Rats<br>Killed. | Number of<br>such Vessels<br>on which<br>Trapping<br>Poisoning, etc.,<br>were employed. | Number of<br>Rats<br>Killed. | Number of such<br>Vessels on<br>which measures<br>of Rat<br>Destruction<br>were not<br>carried out. |
|----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|
| 1.                                           | 2.                                                  | 4.                                                  | 3.                           | 6.                                                                                      | 5.                           | 7.                                                                                                  |
| Nil.                                         | Nil.                                                | Nil.                                                | Nil.                         | Nil.                                                                                    | Nil.                         | Nil.                                                                                                |

TABLE H.  
DERATISATION CERTIFICATES AND DERATISATION EXEMPTION CERTIFICATES  
ISSUED DURING THE YEAR.

| Net Tonnage.                         | No. of Ships | No. of Deratisation Certificates Issued. |          |                     |                                 |        | No. of Deratisation Exemption Certificates Issued. | Total Certificates Issued. |
|--------------------------------------|--------------|------------------------------------------|----------|---------------------|---------------------------------|--------|----------------------------------------------------|----------------------------|
|                                      |              | After Fumigation with                    |          |                     | After Trapping, Poisoning, etc. | Total. |                                                    |                            |
|                                      |              | H.C.N.                                   | Sulphur. | H.C.N. and Sulphur. |                                 |        |                                                    |                            |
| 1                                    | 2            | 3                                        | 4        | 5                   | 6                               | 7      | 8                                                  | 9                          |
| Ships up to 300 tons .....           | 46           | —                                        | —        | —                   | —                               | —      | 46                                                 | 46                         |
| Ships from 301 tons to 1,000.....    | 106          | 1                                        | —        | —                   | —                               | 1      | 105                                                | 106                        |
| Ships from 1,001 tons to 3,000.....  | 187          | 15                                       | 25       | 1                   | —                               | 41     | 146                                                | 187                        |
| Ships from 3,001 tons to 10,000..... | 199          | 14                                       | 40       | 2                   | —                               | 56     | 143                                                | 199                        |
| Ships over 10,000 tons .....         | —            | —                                        | —        | —                   | —                               | —      | —                                                  | —                          |
| TOTALS .....                         | 538          | 30                                       | 65       | 3                   | —                               | 98     | 440                                                | 538                        |

VI.—HYGIENE OF CREWS' SPACES.  
TABLE J.  
CLASSIFICATION OF NUISANCES.

| Nationality of Vessels. | Number inspected during the year. | Defects of original construction. | Structural defects through wear and tear. | Dirt, Vermin and other conditions prejudicial to health. |
|-------------------------|-----------------------------------|-----------------------------------|-------------------------------------------|----------------------------------------------------------|
| British.....            | 4,694                             | —                                 | 223                                       | 313                                                      |
| Other Nations .....     | 2,765                             | —                                 | 79                                        | 93                                                       |



## SANITARY DEFECTS.

The sanitary defects observed in vessels entering the Port fall mainly into three groups :—

- (a) Defects due to misuse of available facilities ;
- (b) Obsolete conveniences ;
- (c) Defects of original construction.

(a) There can be no doubt that many defects falling under this heading might be readily prevented by a more thorough and systematic inspection of the vessel whilst at sea, by the Master and his officers. Likewise, numerous small repairs could be effected during the voyage, which would greatly reduce the total number of defects subsequently found.

In many instances, crews' quarters are everybody's home and nobody's responsibility ; and in the event of relaxed supervision, or the absence of some member of the crew being specially detailed to keep them clean, tend to be kept in an unsatisfactory manner.

The absence of separate messrooms, etc., in many of the older ships again tends to cause untidiness and unnecessary dirt.

(b) Many vessels still carry primitive sanitary arrangements, in the shape of trough lavatories and inadequate washing facilities ; and whilst I think most owners are desirous of effecting improvements in this respect, the depression in the industry is making them, at the present time, unwilling to face the additional expense involved.

Some few owners, however, still maintain very doggedly that the " old ways " are the best.

(c) Defects of original construction form a very difficult class of defect to classify, owing to the constantly changing standard which, with the advance of time, has to be employed.

For example, what would appear in 1938 to be a serious defect would in 1903 or 1913 be, according to the standards then adopted, perfectly in order. Furthermore, the remedying of the same, or to use a preferable term, the modernising of the accommodation, would entail so drastic and costly an alteration structurally as to be out of all proportion to the value and earning capacity of the vessel concerned.

The production of new tonnage and the scrapping of the old is the obvious remedy, and I can see with no pleasure the comparison between the huge demolition of slum property which, implemented by Government financial assistance, has taken place in our towns and villages and its persistence afloat.

The total number of vessels using the port during 1938 is as follows :—

|                |       |        |
|----------------|-------|--------|
| Steamers ..... | 7,104 |        |
| Motor .....    | 1,258 |        |
| Sailing .....  | 73    |        |
| Fishing .....  | 7,758 |        |
|                | ————  | 16,193 |



The vessels on which defects were found are as under :—

|                        |      |     |
|------------------------|------|-----|
| British Steamers ..... | 403  |     |
| British Motors .....   | 29   |     |
| British Sail .....     | —    |     |
| Foreign Steamers ..... | 134  |     |
| Foreign Motors .....   | 9    |     |
| Foreign Sail .....     | —    |     |
|                        | ———— | 575 |

The Fishing Vessels on which defects were found are as under :—

|               |   |   |
|---------------|---|---|
| British ..... | 1 |   |
| Foreign ..... | 3 |   |
|               | — | 4 |

Defects of vessels included the following :—

|                                                     | <i>Defects.</i> | <i>Remedied.</i> |
|-----------------------------------------------------|-----------------|------------------|
|                                                     | (a)             | (b)              |
| Defective ventilation .....                         | 15              | 8                |
| „ lighting .....                                    | 6               | 6                |
| „ or insufficient heating .....                     | 67              | 30               |
| „ bulkheads .....                                   | 5               | 7                |
| „ floors .....                                      | 15              | 7                |
| „ doors .....                                       | 27              | 17               |
| „ chain pipes .....                                 | 1               | 1                |
| „ bunks .....                                       | 16              | 13               |
| „ clothes lockers .....                             | 1               | 1                |
| „ food lockers .....                                | 4               | 4                |
| „ cooking arrangements .....                        | 5               | 5                |
| „ scuppers .....                                    | 20              | 13               |
| „ telegraph casings .....                           | 1               | 1                |
| „ hatch .....                                       | 1               | —                |
| „ service pipes .....                               | 6               | 2                |
| „ ladder .....                                      | —               | 1                |
| „ rudder trunk .....                                | 2               | 2                |
| „ salt water cocks .....                            | 4               | 1                |
| Dampness due to condensation .....                  | 4               | 1                |
| „ „ leaky decks .....                               | 38              | 25               |
| „ „ leaky ports, skylights and<br>decklights .....  | 60              | 40               |
| „ „ leaky hawse and chain<br>pipes .....            | 9               | 6                |
| „ „ deficient or obstructed<br>floor drainage ..... | 11              | 2                |
| „ „ defective tank tops .....                       | 8               | 5                |
| <i>Forecastles</i> : dirty .....                    | 136             | 102              |
| verminous .....                                     | 171             | 98               |
| neglected paintwork .....                           | 156             | 131              |
| litter to remove .....                              | 146             | 135              |
| discarded beds to destroy .....                     | 75              | 75               |
| <i>Mess Rooms</i> : dirty .....                     | 6               | 5                |
| neglected paintwork .....                           | 13              | 4                |
| defective tables .....                              | 7               | 3                |
| „ seating .....                                     | 1               | 1                |

|                                             | (a) | (b) |
|---------------------------------------------|-----|-----|
| <i>Sleeping Quarters</i> : dirty .....      | 3   | 1   |
| neglected paintwork ....                    | 3   | 1   |
| <i>W.C.'s</i> : defective .....             | 49  | 37  |
| foul or choked .....                        | 17  | 16  |
| inadequate flush .....                      | 47  | 24  |
| seats to repair .....                       | 36  | 17  |
| dirty .....                                 | 52  | 49  |
| neglected paintwork .....                   | 19  | 10  |
| <i>Wash Rooms</i> : dirty .....             | 16  | 10  |
| defective basins .....                      | 2   | —   |
| neglected paintwork .....                   | 17  | 8   |
| defective shower roses .....                | 18  | 13  |
| taps to repair .....                        | 2   | —   |
| Defective or uncleanly drinking water ..... | 3   | 4   |
| Misappropriation of Crew's Spaces .....     | 16  | 2   |
| Food lockers dirty .....                    | 12  | 7   |
| „ to repaint .....                          | 2   | 1   |
| Benches to cleanse .....                    | 5   | 1   |
| Tables to cleanse .....                     | 6   | 5   |
| Store rooms to cleanse .....                | 1   | 3   |
| Pantries to cleanse .....                   | 1   | 1   |
| Floors to cleanse .....                     | —   | 1   |
| Bunks to cleanse .....                      | —   | 2   |
| Oil leaking from steering gear .....        | 4   | 5   |

N.B.—It must be noted that the defects remedied in Column (b) do not necessarily refer to the number of defects noted in Column (a), but refer to the number of defects of such a nature observed and dealt with in the period January 1st to December 31st, 1938.

The following recommendations have been carried out:—

|                                      |    |
|--------------------------------------|----|
| Messrooms provided .....             | 2  |
| Oilskin Lockers provided .....       | 4  |
| Cement floor laid in wash room ..... | 1  |
| Wash room modernised .....           | 2  |
| Wash rooms provided .....            | 5  |
| Food lockers installed .....         | 15 |
| Clothes lockers installed .....      | 29 |
| Pedestal W.C.'s installed .....      | 34 |

## VII.—FOOD INSPECTION.

(1) No legal actions were taken under the Public Health (Imported Food) Regulations, 1925, the Public Health (Imported Food) Amendment Regulation, 1933, the Public Health (Imported Milk) Regulations, 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1927, in regard to the class of Food Inspections which were carried out by the Tyne Port Health Authority's Inspectors.

(2) There are no Shell Fish Beds within the jurisdiction of the Tyne Port Health Authority.

## TYNE COMMISSION QUAY, NORTH SHIELDS.

Food stuffs imported from Norway :—

### BERGEN.

|                    | Tons.  | Cwts. |                      | Tons. | Cwts. |
|--------------------|--------|-------|----------------------|-------|-------|
| Fresh Fish .....   | 17,761 | 10    | Stock Fish .....     | 6,628 | 10    |
| Herring .....      | 2,910  | 10    | Smoked Herring ..... | 32    | —     |
| Cured Herring..... | 96     | —     | Salt Herring .....   | 15    | 15    |
| Salmon .....       | 773    | —     | Smoked Salmon.....   | —     | 15    |
| Cod Oil.....       | 130    | 10    | Fish Oil.....        | 130   | 10    |
| Poultry .....      | —      | 10    | Eggs .....           | 994   | 15    |
| Bacon .....        | 587    | 5     | Cheese .....         | 1     | 5     |
| Butter .....       | 2      | 15    | Margarine .....      | —     | 15    |
| Provisions .....   | 143    | 15    | General .....        | 94    | 15    |
| Canned Fish .....  | 1,370  | 5     | Canned Fruit .....   | 3     | —     |
| Fruit Juice .....  | 3      | 10    | Berries .....        | 116   | 15    |
| Grapes .....       | 2      | —     | Melons.....          | 8     | —     |
| Plums .....        | 7      | 10    | Salt .....           | 58    | 15    |
| Jam .....          | —      | 10    | Beer.....            | 39    | 15    |

### OSLO.

|                  | Tons. | Cwts. |                   | Tons. | Cwts. |
|------------------|-------|-------|-------------------|-------|-------|
| Fresh Fish.....  | 175   | 15    | Canned Fish ..... | 6     | —     |
| Salmon .....     | 5     | 15    | Prawns .....      | 14    | 5     |
| Berries .....    | 192   | 15    | Eggs .....        | 109   | 15    |
| Margarine .....  | 2     | 15    | Butter .....      | 39    | 5     |
| Cheese .....     | 7     | 15    | Bread .....       | 80    | 15    |
| Provisions ..... | 93    | 15    | Beer.....         | 1     | —     |
| Whale Oil .....  | 465   | 15    | General .....     | 43    | 15    |
| Spirits .....    | —     | 10    |                   |       |       |

### STAVANGER.

|                   | Tons. | Cwts. |
|-------------------|-------|-------|
| Canned Fish ..... | 1,589 | 15    |

## GATESHEAD QUAY.

Food stuffs imported from Amsterdam :—

|                       | Tons. | Cwts. |                         | Tons. | Cwts. |
|-----------------------|-------|-------|-------------------------|-------|-------|
| Onions .....          | 266   | 14    | Cabbages .....          | 35    | 18    |
| Potatoes.....         | 401   | 3     | Carrots .....           | 40    | 14    |
| Beetroot.....         | 24    | 19    | Parsnips .....          | 27    | 18    |
| Fruit Pulp .....      | 36    | 7     | Vegetables in Brine ... | 42    | 11    |
| Oranges .....         | 193   | 13    | Walnuts and Almonds .   | 5     | 17    |
| Farina .....          | 188   | 12    | Barley .....            | 306   | 3     |
| Rice .....            | 235   | 14    | Tapioca .....           | 119   | 8     |
| Peas .....            | 10    | —     | Potato Flour .....      | 99    | 6     |
| Oats .....            | 1     | —     | Jellied Veal .....      | 14    | 4     |
| Vegetable Paste ..... | 5     | 5     | Cheese .....            | 523   | 8     |
| Bacon .....           | 1,843 | 4     | Butter .....            | 1,028 | 6     |
| Eggs .....            | 1,355 | 11    | Egg Nog .....           | 3     | 4     |
| Condensed Milk .....  | 2,072 | 6     | Condensed Milk (Casks)  | 44    | 19    |
| Milk Powder .....     | 89    | 13    | Margarine .....         | 179   | 6     |
| Sugar .....           | 5     | —     | Tea .....               | 4     | 13    |
| Chocolate .....       | —     | 9     | Cocoa Powder .....      | 24    | 15    |
| Cocoa Butter.....     | 208   | 5     | Coffee .....            | 1     | 5     |
| Biscuits .....        | —     | 8     | Confectionery .....     | 4     | 13    |
| Preserves .....       | —     | 2     | Glucose .....           | 4     | 16    |
| Acetic Acid .....     | 32    | 17    | Rice Wafers.....        | —     | 8     |
| Dutch Drops .....     | 1     | 1     | Port Wine .....         | 2     | 17    |
| Liqueurs .....        | —     | 13    | Olive Oil .....         | 27    | 9     |
| Wine.....             | 26    | 15    |                         |       |       |

GATESHEAD QUAY—*Continued.*

## Foodstuffs imported from Hamburg :—

|                     | Tons. | Cwts. |                      | Tons. | Cwts. |
|---------------------|-------|-------|----------------------|-------|-------|
| Horseradish .....   | —     | 13    | Onions.....          | 894   | 10    |
| Bilberries .....    | 254   | 19    | Walnuts .....        | 7     | 8     |
| Hops.....           | 6     | 10    | Plums .....          | 12    | 19    |
| Fruit Juice .....   | 3     | —     | Barley .....         | 5     | —     |
| Rice .....          | 5     | 1     | Peas.....            | 39    | 14    |
| Flour .....         | 453   | 16    | Oats.....            | 3     | —     |
| Canned Prawns.....  | 26    | 4     | Canned Salmon .....  | 34    | 8     |
| Eggs .....          | 1,866 | 8     | Yeast.....           | 237   | 8     |
| Sugar .....         | 372   | 13    | Mustard .....        | 3     | 1     |
| Rock Salt .....     | 33    | —     | Epsom Salts .....    | 854   | 8     |
| Confectionery ..... | 13    | 19    | Chocolate .....      | —     | 15    |
| Sultanas .....      | 3     | 13    | Olive Oil .....      | 5     | 10    |
| Glycerine .....     | 1     | 8     | Beer.....            | 39    | 19    |
| Wine.....           | —     | 2     | Mineral Waters ..... | —     | 4     |

## Foodstuffs imported from London :—

|                      | Tons. | Cwts. |                       | Tons. | Cwts. |
|----------------------|-------|-------|-----------------------|-------|-------|
| Dates and Figs.....  | 31    | —     | Lemons .....          | 15    | 8     |
| Apples .....         | 6     | 15    | Lemon Skins and       |       |       |
| Grape Fruit .....    | 49    | 9     | Cherries in Brine.... | 22    | 14    |
| Hops.....            | 33    | 1     | Prunes.....           | 42    | 8     |
| Potatoes.....        | 3     | 11    | Onions.....           | 7     | 10    |
| Margarine .....      | 5,271 | —     | Fruit Pulp .....      | 25    | 7     |
| Cheese .....         | 7     | 17    | Butter .....          | 63    | 5     |
| Hams .....           | 20    | 5     | Bacon .....           | 3     | 16    |
| Provisions .....     | 1,683 | 9     | Condensed Milk .....  | 60    | 15    |
| Sauces .....         | 2     | 5     | Jellies .....         | 10    | 2     |
| Canned Fruits .....  | 799   | 3     | Canned Meats .....    | 673   | 8     |
| Rice .....           | 20    | 5     | Canned Salmon .....   | 150   | 5     |
| Beans .....          | 75    | —     | Peas.....             | 16    | 7     |
| Lentils .....        | 14    | 15    | Split Peas .....      | 19    | 9     |
| Sugar .....          | 614   | —     | Flour.....            | 30    | —     |
| Jams.....            | 53    | 16    | Tea .....             | 1,444 | 2     |
| Cocoa .....          | 3     | 8     | Coffee .....          | 30    | 12    |
| Pepper .....         | 4     | 6     | Vermicelli .....      | 1     | 7     |
| Confectionery .....  | 142   | 12    | Tartaric Acid .....   | 469   | 17    |
| Olive Oil .....      | 1     | 7     | Glucose .....         | 44    | 12    |
| Beer .....           | 18    | 12    | Wine .....            | 171   | 10    |
| Rum .....            | 14    | 10    | Gin .....             | 12    | 2     |
| Vermouth .....       | 3     | 1     | Cordials.....         | 18    | 4     |
| Sultanas .....       | 23    | 9     | Brandy .....          | 7     | 10    |
| Raisins and Currants | 97    | 7     | Fruit Juice .....     | 12    | 6     |
| Walnuts .....        | 3     | 3     | Almonds .....         | 52    | 17    |
| Cocoa Nuts .....     | 6     | 1     | Grapes.....           | 6     | 7     |

## Foodstuffs imported from Antwerp :—

|             | Tons. | Cwts. |
|-------------|-------|-------|
| Flour ..... | 26    | 15    |

## JUBILEE WHARF, GATESHEAD.

|                                 | Tons. | Cwts. |
|---------------------------------|-------|-------|
| From London ..... Glucose ..... | 669   | 12    |



DUNSTON MILLS.

|                            |       | Tons.  | Cwts. |
|----------------------------|-------|--------|-------|
| From Australia             | Wheat | 22,082 | 3     |
| From Canada                | Wheat | 24,974 | 17    |
| From River Plate           | Wheat | 26,643 | 4     |
| From Russia                | Wheat | 12,461 | 14    |
| From Wells and King's Lynn | Wheat | 8,782  | —     |

MILL DAM QUAY, SOUTH SHIELDS.

|               |          | Tons | Cwts. |
|---------------|----------|------|-------|
| From Scotland | Potatoes | 970  | 10    |

TYNE DOCK.

|                  |       | Tons. | Cwts. |
|------------------|-------|-------|-------|
| From River Plate | Wheat | 3,221 | —     |

JARROW SLAKE BUOYS.

|                |       | Tons. | Cwts. |
|----------------|-------|-------|-------|
| From Australia | Flour | 100   | —     |

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

|              | Tons. | Cwts. | Qrs. |             | Tons | Cwts. | Qrs. |
|--------------|-------|-------|------|-------------|------|-------|------|
| Fresh Fish   | —     | 4     | 2    | Stock Fish  | 18   | —     | —    |
| Herrings     | 6     | 1     | —    | Melons      | —    | 5     | —    |
| Milk Powder  | —     | 5     | —    | Oranges     | —    | 7     | —    |
| Margarine    | 5     | 4     | 1    | Grape Fruit | 1    | 5     | —    |
| Apricot Pulp | —     | 1     | 3    | Wheat       | 4    | 18    | 2    |

SAMPLES OF FOODSTUFFS COLLECTED FOR SPECIAL EXAMINATION AND CHEMICAL ANALYSIS.

| Date. | Sample.                                                           | Origin.  |
|-------|-------------------------------------------------------------------|----------|
| 1938  |                                                                   |          |
| Mar.  | 4—1 tin “Tyne” Brand Norwegian Brisling in Olive Oil              | Norway.  |
| „     | 4—1 „ “Tinybest” Brand Norwegian Brisling in Tomato Sauce         | Norway.  |
| „     | 4—1 „ “Tyne” Brand Pickled Shrimps                                | Norway.  |
| „     | 4—1 „ “Tyne” Brand Dressed Crab                                   | Norway.  |
| „     | 4—1 „ Fancy Crab                                                  | Russia.  |
| „     | 8—1 jar “Windmill” Brand Butter                                   | Holland. |
| „     | 8—1 portion Edam Process Cheese                                   | Holland. |
| April | 11—1 tin “Crema” Brand Unsweetened Sterilised Evaporated Milk     | Holland. |
| „     | 11—1 „ “Red Star” Brand Condensed Machine Skimmed Milk, Sweetened | Holland. |
| „     | 12—1 „ “Britannia” Brand Finest Norwegian Sild in Tomato          | Norway.  |
| „     | 12—1 „ “June” Brand Dressed Crab                                  | Norway.  |
| „     | 12—1 „ “Three Diamond” Brand Choicest Pink Salmon                 | Japan.   |
| „     | 12—1 „ “Tak Kee” Brand Pineapple Slices                           | Empire.  |
| „     | 12—1 portion “Table” Brand Margarine                              | Holland. |

SAMPLES OF FOODSTUFFS—*Continued.*

| Date. | Sample.                                                                            | Origin.    |
|-------|------------------------------------------------------------------------------------|------------|
| 1938. |                                                                                    |            |
| May   | 9—1 tin "Crown" Brand Peeled Tomatoes .....                                        | Italy.     |
| "     | 9—1 " "Climax" Brand Bartlett Pears .....                                          | U.S.A.     |
| "     | 10—2 tins Gaffebiter in Wine Sauce .....                                           | Norway.    |
| "     | 10—1 tin "Heinz" Brand Norwegian Brisling in Pure Olive Oil.....                   | Norway.    |
| "     | 10—1 portion "Ski Queen" Brand Whey Cheese (Goats' and Cows' Milk and Cream) ..... | Norway.    |
| June  | 7—1 tin "Joy" Brand Selected Peeled Shrimps .....                                  | Norway.    |
| "     | 7—1 " "Joy" Brand Small Herrings in Tomato .....                                   | Norway.    |
| "     | 7—1 " "Holmes" Brand Boneless Kipper Snacks .....                                  | Norway.    |
| "     | 7—1 " "Libby's" Brand Corned Beef .....                                            | Argentina. |
| "     | 7—1 " "Princess" Brand Pineapple Chunks .....                                      | Empire.    |
| "     | 7—1 portion "Sun Valley" Brand Cheese .....                                        | Norway.    |
| Aug.  | 2—1 tin "Toboggan" Brand Sild in Pure Olive Oil .....                              | Norway.    |
| "     | 2—1 " "Wheatsheaf" Brand Brisling in Tomato Sauce .....                            | Norway.    |
| "     | 2—1 " "Pioneer Crown" Brand Red Salmon Steak....                                   | Foreign.   |
| "     | 2—1 " "Libby's" Brand Grape Fruit .....                                            | U.S.A.     |
| "     | 2—1 " "Columbia" Brand Full Cream Milk, Unsweetened .....                          | Canada.    |
| "     | 2—1 " "Sacramento" Brand Fruits for Salad .....                                    | U.S.A.     |
| "     | 4—1 jar Butter .....                                                               | Norway.    |
| Sept. | 22—1 tin "Encore" Brand Norwegian Sild in Tomato Sauce .....                       | Norway.    |
| "     | 22—1 " "Sunny" Brand Dressed Crab .....                                            | Norway.    |
| "     | 26—1 bottle "Crosse & Blackwell" Brand Pure Malt Vinegar .....                     | London.    |
| "     | 26—1 tin C.W.S. "Equity" Brand Condensed Skimmed Milk .....                        | Holland.   |
| "     | 26—1 jar Cream of Tartar .....                                                     | London.    |
| "     | 26—1 " "Maypole" Brand Mincemeat .....                                             | London.    |
| "     | 26—1 tin "Bell Buoy" Brand Norwegian Sild in Tomato .....                          | Norway.    |
| Oct.  | 31—1 " "Imperial" Brand Corned Beef Loaf .....                                     | Australia. |
| Nov.  | 4—1 Bottle "Marten's" Brand Medicinal Cod Liver Oil.....                           | Norway.    |
| "     | 7—1 " "Libby's" Brand "Kadota" Figs .....                                          | U.S.A.     |
| "     | 7—1 packet "Meadow" Brand Shredded Beef Suet with Rice Flour .....                 | London.    |
| "     | 7—1 tin "Top" Brand Machine Skimmed Condensed Milk, Sweetened .....                | Holland.   |
| "     | 30—1 " "Skippers" Brand Brisling in Pure Olive Oil ....                            | Norway.    |
| Dec.  | 8—1 " "Blue Plate" Brand Selected Prawns.....                                      | U.S.A.     |
| "     | 12—1 " "Lych Gate" Brand Selected Peeled Plum Tomatoes .....                       | Italy.     |
| "     | 12—1 " "Squire" Brand Machine Skimmed Condensed Milk, Sweetened .....              | Holland.   |
| "     | 15—1 " "Skippers" Brand Norwegian Brisling in Tomato Sauce .....                   | Norway.    |

No samples were reported by the Public Analyst as unsound for human consumption, or as not being of the nature, substance or quality of the food specified in the description given by the importer.

### **FISH QUAY, NORTH SHIELDS.**

Vessels arriving with White Fish and Herrings have been regularly inspected at the Fish Quay. The Fish landed from the boats was found to be of good quality.

The total arrival of Fishing Vessels at the Quay, North Shields, steam, motor and sailing, is \*7,601 (3,881 trawlers and 3,720 Herring Drifters) as compared with a total of 9,976 the previous year.

\* From a return courteously furnished by Mr. Thos. Mackenzie,  
Quay Master, Fish Quay, North Shields.

### **ADVICE AS TO SICKNESS**

on shipboard, and other matters, continue to be received from and forwarded to the Health Departments of other British Port Health Authorities.

### **SMOKE NUISANCE.**

The Inspector reports that it has not been necessary to take any action against Masters of Steamers for the evolution of dense smoke during 1938.

### **REGULATIONS.**

Copies of Port Sanitary Regulations, 1933, have been issued to all Owners, Agents, Masters and Pilots.

### **CHOLERA, PLAGUE, YELLOW FEVER AND SMALLPOX.**

No cases of Cholera, Plague, Yellow Fever or Smallpox occurred in the Port during the year 1938.

### **DERATISATION AND DERATISATION EXEMPTION CERTIFICATES.**

Under the International Convention of Paris, 1926, the following certificates were issued during the year 1938 :—

|                                           |       |
|-------------------------------------------|-------|
| Deratisation Certificates .....           | 98    |
| Deratisation Exemption Certificates ..... | 440   |
|                                           | <hr/> |
|                                           | 538   |
|                                           | <hr/> |

### **LAUNCHES.**

The Motor Ambulance Launch T.P.H.A. No. 1 has been maintained in good condition and is running well.

Delivery was taken of a new six cylinder Thorneycroft Diesel Engined Launch in the early months of the year. The Launch has proved satisfactory.

### **ACCOMMODATION.**

The question of accommodation has not yet been settled.



### CO-OPERATION WITH OUTSIDE AUTHORITIES.

As much of the success of the work of this Authority depends on the co-operation which it receives from outside sources, I would wish to express my keen appreciation of the help so received.

In addition to the assistance of Officials of the Corporations and Councils of those authorities who form part of our Joint Board, I would particularly like to thank the Officers of the Tyne Improvement Commission, His Majesty's Collector of Customs, His Majesty's Inspector of Immigration, the Principal Officer of the Board of Trade, and their respective staffs.

In many ways these Officers have, by their timely help in their respective departments, rendered effective much of our work which would otherwise have been abortive.

Finally, I would like to place on record my gratitude to my own Staff for the quality of their work and the loyalty they have shown.

Mr. Park and the entire staff deserve well the best thanks of the Authority.

T. L. J. COXON, M.D., B.HY., D.P.H.

MILL DAM,

SOUTH SHIELDS,

MARCH, 1939.









